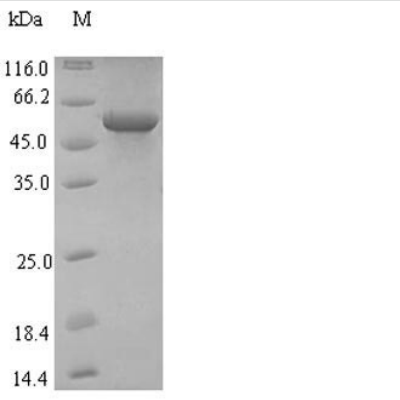
Recombinant Influenza A virus Hemagglutinin (HA), partial

Product Code	CSB-EP607773IER
Relevance	Binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization of about two third of the virus particles through clathrin-dependent endocytosis and about one third through a clathrin- and caveolin-independent pathway. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. Responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. Low pH in endosomes induces an irreversible conformational change in HA2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore
Abbreviation	Recombinant Influenza A virus Hemagglutinin protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q0HD60
Alias	Cleaved into the following 2 chains: Hemagglutinin HA1 chain Hemagglutinin HA2 chain
Product Type	Recombinant Protein
Immunogen Species	Influenza A virus (strain A/Hickox/1940 H1N1)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	DTICIGYHANNSTDTVDTVLEKNVTVTHSVNLLEDSHNGKLCRLKGIAPLQLGK CNIAGWILGNPECESLLSKRSWSYIAETPNSENGTCYPGDFADYEELREQLSS VSSFERFEIFPKERSWPNHNINIGVTAACSHAGKSSFYKNLLWLTEKDGSYPNL NKSYVNKKEKEVLVLWGVHHPSNIENQKTLYRKENAYVSVVSSNYNRRFTPEI AERPKVRGQAGRMNYYWTLLEPGDTIIFEANGNLIAPWYAFALSRGLGSGIITS NASMDECDTKCQTPQGAINSSLPFQNIHPFTIGECPKYVRSTKLRMVTGLRNIP SIQS
Source	E.coli
Target Names	HA
Expression Region	18-343aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	52.6kDa

Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Our Recombinant Influenza A virus HA protein is precisely engineered to support your microbiology research. This partial Hemagglutinin protein is expressed in an E. coli system, covering the 18-343aa region to ensure optimal activity in your experiments.

Featuring an N-terminal 6xHis-SUMO tag, this protein enables efficient purification and detection processes. Our Recombinant Influenza A virus (strain A/Hickox/1940 H1N1) HA protein demonstrates a purity greater than 90% as determined by SDS-PAGE and is available in both liquid and lyophilized powder forms to accommodate your specific research requirements. Trust in our precision-crafted Hemagglutinin protein to deliver consistent, high-quality results for your microbiology studies.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.